5

15



What is claim d is:

1. A composition consisting of somatotropin, at least one of lipid-soluble vitamins, and at least one of pharmaceutically acceptable lubricants.

31

- 2. The composition according to Claim 1, wherein said somatotropin is somatotropin produced by recombinant DNA technology.
- 3. The composition according to Claim 1, wherein said somatotropin is present in an amount of from 10 to 50 % by weight based on the total weight of the composition.
 - 4. The composition according to Claim 1, wherein said lipid-soluble vitamin is vitamin A or its derivative, or vitamin E or its derivative.
 - 5. The composition according to Claim 4, wherein said vitamin A or its derivative is present in an amount of from 100,000 to 5,000,000 vitamin A units per 1 g of somatotropin.
- 20 6. The composition according to Claim 4, wherein said vitamin E or its derivative is present in an amount of from 500 to 12,000 vitamin E units per 1 g of somatotropin.
 - 7. The composition according to Claim 1, wherein said pharmaceutically acceptable lubricant is one which can be mixed with said lipid-soluble vitamins and



32

said lubricant is used alone or in a mixture of at least two lubricants.

8. The composition according to Claim 7, wherein said pharmaceutically acceptable lubricant is alcohol or its derivative; ester of fatty acid and alcohol; unsaturated fatty acid; ester of acid and aromatic alcohol; or other material which can be mixed with said lipid-soluble vitamins.

9. The composition according to Claim 8, wherein said alcohol or its derivative is benzyl alcohol, ethyl alcohol, isopropyl alcohol, butyl alcohol or the like.

10. The composition according to Claim 8, wherein said ester of fatty acid and alcohol is ethyl oleate, isopropyl myristate, isopropyl laurate, isopropyl laurate, isopropyl laurate, isopropyl palmitate or the like.

15 11. The composition according to Claim 8, wherein said unsaturated fatty acid is oleic acid, linoleic acid, linolenic acid or the like.

12. The composition according to Claim 8, wherein said ester of acid and aromatic alcohol is benzyl benzoate or the like.

13. The composition according to Claim 8, wherein said other material is polyoxyethylene alkyl ether, GLYCOFUROL, derivative of polyethylene glycol, glycerin or the like.

101

10

20

14. The composition according to Claim 7, wherein said lubricant is present in an amount of from 0.5 to 25 % by weight based on the total weight of the composition.